AID P - 4793

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 20/24

Author : Stepanov, L. P.

Title : Micrometric head of a gauge with mechanical fastening

of the ball.

Periodical: Stan. i. instr., 3, 40, Mr 1956

Abstract : The author describes an inside caliper gauge provided

with a device for adjustment and replacement of the ball on its edges. This attachment prolongs the useful life

of the instrument. One drawing.

Institution: None

Submitted : No date

PUGACHEV, I.I.; STEPANOV, L.P.

Hydrostatic bell. Trudy TNIIM no.22:113-116 '54. (MIRA 10:12)

(Manometer) (Hydrostatics--Measurement)

**STEPANOV, L.P., red.; KUZNETSOVA, M.I., red.izd-va; KONDRAT'YKVA, M.A., tekhn. red.

[Instructions 2-54 for checking standard spring manometers and vacuummeters] Instruktsiis 2-54 po poverke obraztsovykh pruzhinnykh manometrov i vakuummetrov. Izd. ofitsialinos. Moskva. 1957. 14 p. (MIRA 14:5)

1. Russia(1923- U.S.S.R.) Komitet standartov, mer i ismeritel'nykh priborov.
(Manometer--Testing) (Vecuum gauges--Testing)

DOLINSKIY, Ye.F.; AGALETSKIY, P.N.; GAYEVSKIY, N.A; LASSAN, V.L.; OSTR)UMOV, B.A.; SMOLICH, S.A.; STEPANOV, L.P.; YAMOVSKIY, B.M.

Metrological activities in the field of mechanical measurements.

Trudy.VNIIM no.33:39-59 '58. (MIRA 11:11)

1. Rukovoditel' otdela mekhanicheskikh ismereniy Vsesoyusnogo nauchnoissledovatel'skogo instituta metrologii imeni D.I. Mendeleyeva (for Dolinskiy)

(Mensuration)

STEPANOV, L.P., inzh.

Investigating the performance of the SM-570 eccentric vibrating screen. Stroi.i dor.mashinostr. 3 no.12:15-19 D '58. (MIRA 11:12) (Vibrators) (Road machinery)

STEPANOV, L.P., insh.

Grading sand on screening machines. Stroi.i dor.mashinestr.

4 no.12:21-24 D '59. (MIRA 13:3)

(Sand and gravel plants)

MALYAROV, C.A.; STEPANOV, L.P.

Bffect of air diluted in water on its viscosity. Trudy VWIIII no.37:141-145 '59. (MIRA 13:4)

(Water) (Viscosity)

STEPANOV, L.P.

Now Graduation of hydrostatic steelyard-type balance (Westphal balance). Trudy VNIIM no.37:149-152 *59.

(Balance)

STEPARIOV, L.P.

Hydrostatic weighing of liquids in containers with shaped form.

Izm.tekh. nd.9:12-13 S '60. (MIRA 13:9)

(Moasuring instruments)

5/589/62/000/062/001/011 E194/E136

AUTHORS :

Stepanov, L.F., and Stuliginskaya, I.A.

TITLE:

Viscosity measurements on petroleum products

SOURCE:

USSR. Komitet standartov, mer i .izmeritel'nykh priborov. Trudy institutov Komiteta. no. 62(122).

Moscow, 1962. Issledovaniya v oblasti izmereniy

vyazkosti, plotnosti i massy. 5-23.

The Soviet standard FOCT 33-53 (GOST 33-53) which specifies the measurement of kinematic viscosity of petroleum TEXT: products needs revision because the viscometers it considers are unsuitable and the experimental conditions recommended do not correspond to the established experimental errors. Study of this question has shown that the Ubbelonde viscometer is the best though it is unsuitable for opaque liquids and not very convenient for low temperature determinations because of condensation. For opaque liquids it is recommended to use the Cannon-Fenske viscometer, slightly modified to ease filling. For measurements at 0 °C the Volarovich four-bulb viscometer is recommended. For measurements at lower temperatures it is recommended to use either Card 1/3

Viscosity measurements on ...

S/589/62/000/062/001/011 E194/E136

the Finkevich three-bulb type or the VNIIM viscometer which is the more accurate of the two though somewhat more complicated to manufacture. All the viscometers should be characterized by a series of nominal constants which are multiples of 1 and 3, i.e. 0.003; 0.01; 0.03; 0.1, etc. up to 30 cst/sec. There then follows a detailed analysis of the various sources of error in viscometry, namely, those associated with temperature and temperature measurement; expansion of the glass; time of holding viscometer at the given temperature; inaccurate filling; mounting off vertical; incomplete emptying [Abstractor's note: This factor is considered separately in the paper "Dependence of the precision of measurement on the amount of liquid remaining on the walls of viscometer reservoirs" by L.P. Stepanov, I.A. Stul'ginskaya and N.A. Chesnokov, pp 29-32 of same issue of these transcriptions]; surface tension; kinetic energy; variations in gravity; variations in atmospheric pressure; time errors; instrument constant errors; vibration. It is concluded that certain errors should be pointed out in the standard method. The results of the measurements should be corrected for kinetic energy, gravity variations and thermal Card 2/3

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Viscosity measurements on ... S/589/62/000/062/001/011 E194/E136

expansion of the liquid (except in the case of suspended level

viscometer).
There are 3 figures and 12 tables.

ASSOCIATION: VNIIM

SUBMITTED: March 25, 1961

Card 3/3

5/589/62/000/062/003/011 E194/E136

Stepanov, L.P., Stul'ginskaya, I.A., and Chesnokov, N.A. AUTHORS:

Dependence of the precision of measurements on the TITLE: amount of liquid remaining on the walls of viscometer

reservoirs

USSR. Komitet standartov, mer i izmeritel'nykh SOURCE:

priborov. Trudy institutov Komiteta. no. 62(122).

Moscow, 1962. Issledovaniya v oblasti izmereniy

vyazkosti, plotnosti i massy. 29-32.

The amount of liquid left behind in a viscometer TEXT: reservoir is liable to be different from that which was left behind during the original calibration. The previous work on this subject, which has given rise to contradictory results, is reviewed. Tests were made with some hundreds of bulbs in five different sizes which, for the purpose of the experiments, were connected to capillaries by rubber tubing. The amount of liquid left adhering to the walls after tests, under various conditions corresponding closely to those of practical viscometry, was Card 1/3

Dependence of the precision of ... 5/589/62/000/062/003/011 E194/E136

determined by weighing. The relative amount of liquid remaining in spherical reservoirs was found to be independent of their volume, within the range 3.3-15 cm and the viscosity of petroleum products in the range 0.1-13 cst. The error that results from neglecting differences in the amount of liquid adhering to the reservoirs is not more than 0.05% for fluids having a viscosity of up to 1 cS, and is approximately 0.1% for fluids with viscosities in the range 1-13 cst. However, for pressure-viscometers the measurements on a given liquid under different rates of flow may differ by as much as 3%. The experimental data obtained are represented by the following approximate formula:

$$\frac{\triangle V}{V} = A + \frac{B}{\tau} \tag{4}$$

where: V - reservoir volume; τ - draining time, seconds; and A and B - constants having the following values for spherical reservoirs in the range 3.3-15 cm³ and flow times of 100-1000 secs.

Card 2/3

Dependence of the precision of ... S/589/62/000/062/003/011 E194/E136

Table 2

	Viscosity of petroleum product, cst		
	0.11	1.07	13.2
A	0.0008	0.0021	0.007
В	0.23	0.77	3.4

There are 1 figure and 2 tables.

ASSOCIATION: VNIIM

SUBMITTED: February 16, 1961

Card 3/3

MALYAHOV, G.A. [deceased]; SOROKOUNDVA, T.I.; STEPANOV, L.P.;
CTUL'GINSKAYA, I.A.

Calibration liquids for the control test of viscosimeters.
Trudy inst. Kom. stand., mer 1 izm. prib. no.68:86-99 '63.
(MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I. Mendeleyeva.

34143

S/169/62/000/001/053/083 D228/D302

3,5140 (1041)

Leskova, Ye. A., Proshin, V. T. and Stepanov, L. S.

TITLE:

AUTHORS:

Some characteristics of jet streams over the Pacific

Ocean's north-western part

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 1, 1962, 49, abstract 1B317 (Tr. Dal'nevost. n.-i. gidrometeorol.

in-ta, no. 12, 1961, 45-51)

TEXT: The results are given for observations during the third voyage of the expedition ship "A. I. Voyeykov" from January 9 to February 22, 1960. The material relates to two periods. The first covers soundings from January 19 to February 9 during the ship's movement from north to south; their results are presented in a space-time section from 45°N, 160°E to 10°N, 150°E. The soundings from February 10 to 20 -- made during the ship's movement from south to north and presented in a section from 10°N, 150°E to 42°N, 133°E -- refer to the second period. In the first section a powerful subtropical jet stream with a wind speed of 150 m/sec is found

Card 1/4

34143 S/169/62/000/001/053/083 D228/D302

Some characteristics of ...

at a height of 12 km in the zone 30 - 33°N. It corresponds to an intense tropcspheric front in which the temperature contrast reaches 2.4°/100 km at a height of 6 km and 3.3°/100 km at an altitude of 8 km. Another jet-stream nucleus with a wind velocity of about 70 m/sec at the center is observed at 22 - 24°N at a height of 13 km. This is likewise a subtropical jet stream which has weakened and moved southwards. The preserved but latitudinally small tropospheric-front zone, in which the temperature contrast equals 3.1° per 100 km, also corresponds to it. At a height of 7 - 11 km between the extra- and subtropical jet streams the wind speed declines to 45 m/sec while keeping a westerly direction. The same decrease in the wind velocity, but with a change in the direction, is also observed to the south of the second subtropical jet. Starting from 20 - 24°N in the lower layers and from 19°N, too, at a height of 8 - 15 km south-westerly air streams change into southerlies and south-easterlies. In addition the velocity of the southeasterly flow grows with altitude, and a comparatively narrow zone of south-easterly winds with a speed of about 30 m/sec is found in

Card 2/4

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Some characteristics of ...

the 13 - 16 km layer in the area of 16 - 17 N. This is a southeasterly jet stream, formed on the south-western periphery of the Pacific Ocean anticyclone; depending on the measure of the vessel's southwards movement and on its withdrawal towards the southern periphery of the anticyclone, the jet stream gave place to a purely easterly flow with a wind velocity of 10 - 12 m/sec. The lower boundary of the jet stream is situated at an average. height of 5 km. In the tropospheric-front region, however, especially on the first section, the descent of the lower boundary of the jet stream to a height of 2 - 3 km was observed. The growth of the wind speed to the heart of the jet is noted from the 5 km level. The unusual intensity of the subtropical jet stream is mentioned. This is explained by the development of a deep cyclone in the observational zone, with pressures of down to 946 mb at its center. Such an intense process over the ocean was also accompanied by the abrupt meridionality of the air streams above the land. This in its turn promoted the formation of an unusually intense high-altitude frontal zone and a powerful subtropical jet stream

Card 3/4

34143 S/169/62/000/001/053/083 D228/D302

Some characteristics of ...

which has not been considered above. 5 references. \angle Abstractor's note: Complete translation._7

Card 4/4

PATEL, Surendra J.: YASTREBOVA, I.P. [translator]; STEPANOV, L.V., redaktor; IOVLEVA, N.A., tekhnicheskiy redaktor.

[Agricultural laborers in modern India and Pakistan. Translated from the English] Sel'skokhoziaistvennye rabochie v Indii i Pakistane. Pereved s angliiskogo I.P. IAstrebovoi. Predislovie G.G. Kotovskogo. Moskva, Isd-vo inostrannei lit-ry, 1955. 197 p. (MLRA 9:5) (India--Agricultural laborers) (Pakistan--Agricultural laborers)

STEPANOV, Lev Vasil'yevich

Aziya i Afrika, kontinenty v dvizhenii by L.V. Stepanov 1 G.I. Mirskiy. Moskva, zd-vo Vostochnoy Lit'ry, 1963.

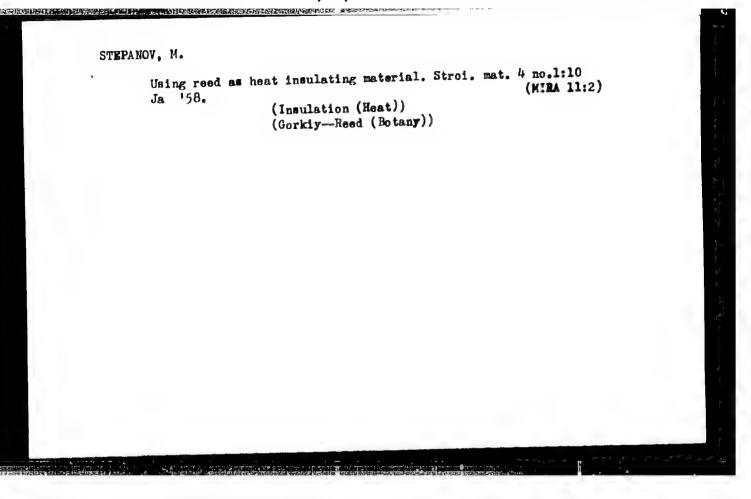
127 p. tables.

At head of title: Akademiya Nauk SSSR. Institut Mirovoy Ekonomiki i Mezhdunarodnykh Otnosheniy.

Bibliographical footnotes.

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1. Economic assistance - Asia. 2. Asia - Economic Assistance. 3. Economic Assistance - Africa. 4. Africa - Economic assistance. 5. Underdeveloped areas.



STEPANOV M. (Moskva)

For a speedier solution of current problems. Sots. trud 8 no.5:71-73 My *63. (MIRA 16:6)

THE PERSON OF TH

(Machine-shop practice)

KOMBUT, L.A.; STEPANOV, M.A., inzh., retsenzent; FAL'KO, O.S., inzh., red.; UVAROVA, A.F., tekhn. red.

作用的文字,并是对于自己的文字,就是是这个文字,就是是公子的文字,就是是这个文字,也可以是这个文字,也可以是这个文字,也可以是这个文字,可以是一个文字,可以是

[Mechanization of agriculture in Great Britain]Mekhanizatsiia sel'skogo khoziaistva Velikobritanii. Moskva, Mashgiz, 1961. 185 p. (MIRA 15:10) (Great Britain—Farm mechanization)

AKHURICVA, Turmuncy, Geroy Sotsialicticheskogo Truda; ZADACHIANDKIY, Stanislav antonovich; MARTYREV, aleksey Nikiforovich; STEPARCV, M.A., nauchn. red.; TCCHILINA, L.V., red.

[Technology of cotton growing and harvesting] Tekhnologiia vozdelyvaniia i uborki khlopchatnika. Moskva, Vysshaia shkola, 1964. 117 p. (MIRA 17:9)

1. Kolkhoz imeni Kirova Yangiyul'skogo proizvodstvennogo upravleniya (for Akhunova)

STEPANOV, M.A.; inzh.

Building one and two-story apartment houses using cementless blocks. Nov.tekh. i pered.op. v stroi. 19 mo.6:13-14 Je '57.

(MIRA 10:10)

(Apartment houses) (Building blocks)

5.2200,5.4120,21.3000

78330 **sov**/89-8-3-15/32

AUTHORS:

Galkin, N. P., Stepanov, M. A.

TITLE:

Solubility of Uranium Hydroxide (IV) in Caustic Soda.

Letter to the Editor

PERIODICAL:

Atomnaya energiya, 1960, Vol 8, Nr 3, pp 258-261 (USSR)

ABSTRACT:

Little is known about the precipitation of uranium (IV) hydroxide in a strongly alkaline medium. Only recently, Gayer and Leider (see ref) showed that the hydroxide of uranium (IV) is amphoteric. The equilibrium constant of

the reaction:

 $U(OH_4) + OH^- \longrightarrow H_3UO_4 + H_2O$ (1)

is 1.7·10⁻⁴. Since the solubility of the hydroxide was studied only up to a 0.6 N concentration of the alkali, the authors decided to check the applicability of the above relation for more concentrated alkaline solutions. Hydroxide of uranium (IV) was precipitated

Card 1/5

Solubility of Uranium Hydroxide (IV) in Caustic Soda. Letter to the Editor

78330 sov/89-8-3-15/32

from the hydrochloric acid solution by means of a water solution of caustic soda. The hydrochloric acii solution of uranium (IV) was prepared following prescriptions found in literature. The hydroxide of uranium (IV) was precipitated by adding 30 ml of a 0.34 N solution of caustic soda to 2 ml of the uranium chloride solution; the tightly closed test tube was kept for 6 hr in an air thermostat at 20° C, with continuous stirring of the contents. Decanting the precipitate three times in a pure argon atmosphere with water, the authors achieved considerable purity. A qualitative reaction on chlorine ion using silver nitrate gave a negative result. authors note that the statement found in Gmelins (Handbuch der Anorganischen Chemie, Auflage 8, Hr. 55-Ùran und Isotope, Berlin, 1936, S. 100), that potassium and sodium cannot be washed away from uranium (IV) hydroxide, seems to be wrong. Spectral analysis showed the absence of sodium (below 0.01%) when the precipitation was achieved using the caustic soda solution.

Card 2/5

Solubility of Uranium Hydroxide (IV) to Caustic Soda. Letter to the Editor

78330 SOV/89-8-3-15/32

(2)

This solution was prepared using chemically clean substances. Next, the authors added to the precipitate fixed quantities of alkaline and distilled water. Probes were then mixed in thermostats at 25 + 1°c during 6 days (8 hr per day). The clear fraction was filtered through a paper filter, and the uranium content was then determined. Results are on Fig. A. The authors state that conclusions of Gayer and Leider are valid only up to a 0.5 N concentration. Above this concentration the linear relationship is destroyed, and Eq. (1) is not valid. The decrease in uranium concentration may be explained by salting out by means of sodium ions, if one assumes that a new compound NaH_3UO_{ll} is formed in the pricipitate. Analyzing the solid phase, the authors came to the conclusion that the proposed

compound can be stable only in strongly alkaline media, while in the presence of water an hydrolysis starts which can be described by the equation:

Card 3/5

Solubility of Uranium Hydroxide (IV) in Caustic Soda. Letter the Editor

78330 S0V/89-8-3**-**15/32

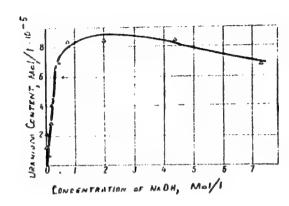


Fig. A. Concentration of uranium (IV) versus alkalinity of medium. (Δ) present data; (x) data by Gayer and Leider.

Card 4/5

Solubility of Uranium Hydroxide (IV) in Caustic Soda. Letter to the Editor

78330 SOV/89-8-3-15/32

There are 1 figure; 2 tables and 9 references, 4 Soviet, 2 French, 1 German, 1 Canadian, 1 U.S. The Canadian and U.S. references are: K. Gayer, H. Leider, Canad. J. Chem. 35, Nr 1, 5 (1957); J. Katz, E. Rabinowitz, Chemistry of Uranium, M., Izd-vo inostr. lit., 1954.

SUBMITTED:

November 27, 1959

Card 5/5

S/089/60/009/004/003/020 B006/B070

21.3200

AUTHORS:

Stepanov, M. A., Galkin, N. P.

TITLE :

The Solubility Product of the Hydroxide of Tetravalent

Uranium /

PERIODICAL: Atomnaya energiya, 1960, Vol. 9, No. 4, pp. 282 - 285

TEXT: The present work gives a calculation of the solubility product of uranium (IV) hydroxide. An exact knowledge of the solubility product is necessary for a rational processing of uranium. In the introduction, the authors discuss results of some related papers (Refs. 1-8). Then, they discuss the determination of experimental data necessary for the calculation. The starting material was a solution in hydrochloric acid of uranium (IV) which was kept in a retort in a pure atmosphere of argon. Even after 15 days no oxidation of the uranium was observed. The concentration was measured titrimetrically with potassium bichromate. It was 0.590 M in relation to uranium and 1.02 M in relation to HCl. Solutions of ammonium hydroxide, sodium hydroxide, and potassium hydroxide (0.464, 1.992, 2.184 N, respectively) were used as precipitants. The pH

Card 1/2

STEPANOV, M.A.; GALKIN, N.P.

Solubility product of basic uranium (IV) sulfate. Zhur.neorg.khim. 7 no.5:983-986 My '62. (MIRA 15:7)

(Uranium sulfate) (Solubility)

KURDYYMOV, A.V.; GOLOBORODOV, V.N.; STEPANOV, M.A.

Effect of magnesium and calcium on the corrosion resistance of

是一个一个人,我们也是一个人的人,并不会会们的一个人,他们也是一个人,他们也是一个人的人,他们们的一个人的人,但是一个人的人,但是一个人的人,也可以是一个人的人

nickel in an atmosphere of fluoride at 700-860°. Izv. vys. ucheb. zav.; tsvet. met. 6 no.4:138-144 °63. (MIRA 16:8)

l. Moskovskiy institut stali i splavov, kafedra tekhnologii liteynykh i protsessov.

(Nickel-Corrosion)
(Metals at high temperatures)

ACCESSION NR: AP4029227

S/0131/64/000/004/0182/0185

AUTHOR: Guzman, I. Ya.; Komissarova, N. M.; Krutikova, I. M.; Stepanov, M. A.

TITLE: Sintering and some properties of CaF2 ceramics

SOURCE: Ogneupory*, no. 4, 1964, 182-185

ABSTRACT: Calcium fluoride has found wide use in various regions of technology as an active flux. Recently, calcium fluoride has begun to be used as a construction and shielding material for conducting a number of high-temperature chemico-metallurgical processes in fluorine-containing media. The authors bring to light processes of sintering as well as some properties of ceramics based on calcium fluoride. Characteristics of the initial materials are given in a table. Characteristics of ceramics from commercial calcium fluoride and the characteristics of ceramics from pure calcium fluoride are presented in tables which depict their properties at different temperature ranges. The composition in properties of grain structure samples of commercial calcium fluoride are given. Testing of calcium fluoride ceramics for corrosion resistance was conducted in a fluorine medium (concentration 92-97%) at a temperature of 750°C for 16 hours. The evaluation was conducted by visual and weight methods, as well as by stability change during the testing. The rate of corrosion of laboratory and industrial samples was from 5.5 to 19 g/m/hr;

Card 1/2

CIA-RDP86-00513R001653210007-6

ACCESSION NR: AP4029227

during testing the stability increased. The obtained results attest to the fact that in a fluorine medium, at 750°C, calcium fluoride ceramics are completely stable and maintain their stability. Therefore, parts can be recommended for service under such conditions as refractory lining material, filters, etc. Orig. art. has: 4 tables.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Hendeleyeva (Chemico-technological Institute)

SUBMITTED: 00

DATE ACQ: 28Apr64

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Card 2/2

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OTEFAMOV, M. G.

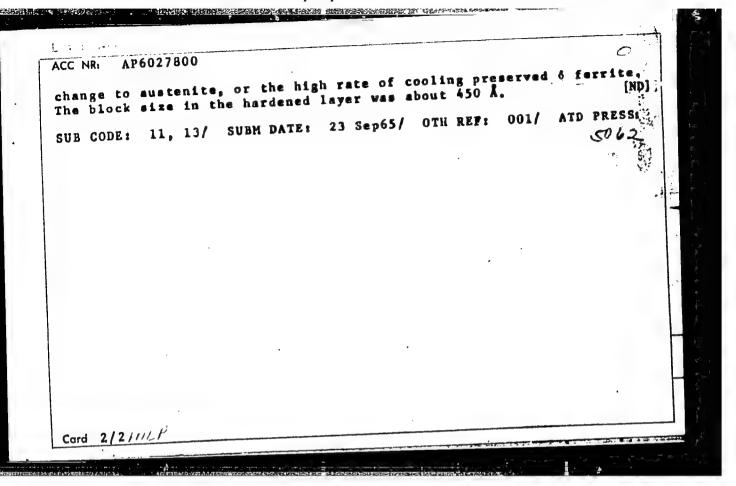
"Glucose as a Tonicizing Factor for the Cardiovascular System." Sub 22 Mar 51, Acad Med Sci USCR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55.

"Geveral Methods of Processing Electron (Magnesium) Alloys in the Liquid State,"
"Trudy Moskovskogo Aviatsionnogo Tekhnologicheskogo Instituta" (Proceedings of the Moscow Aviation Inst. of Technol.), Issue No. 4, pp 3-29, 1948.

CC NR: AP60				/022/001/0157	/0158
UTHOR: Kon	tantinov, B.	P.; Zimkin,	I. N.; Stepa	nov, M. I;	9/
hestopalov,	L. M.			+4	
RG: Physic	technical Ins	stitute im. A	. F. Ioffe,	AN SSSR (Fizi	ko-
ekhnicheski	institut AN	N SSSR)	,		
TTIE: Hard	ening of steel	l surface by	wire explosi	on	1
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OPIC TAGS:	metal.	ing, seems su	rface harder	ing, vire,	in the same
appropriate the	stee	el.		* /	
RSTRACT: C	opper or steel	1 wire, 0.38-	-0.4 mm in o	lameter and 4	0-50
ong, placed	10 mm above i	the race or a	ad by the di	scharge of a	capacin
as exploded	by a current esult of this	explosion, t	he surface	icrohardness	increase
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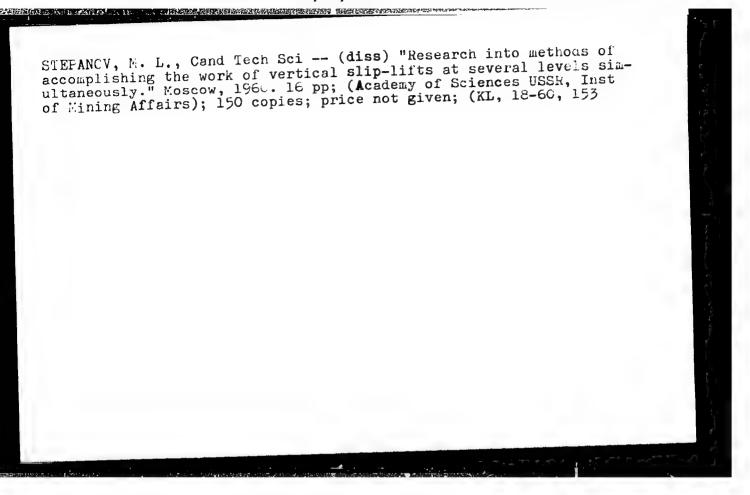


OSIPYAN, V.T.; STEPANOV, M.K.; GRABOVSKIY, B.S.; SMIRNOV, K.K.; KAZHDAN, V.B.; MASLIY, L.K.; DUNAYEVA, I.D.

THE PERSONAL PROPERTY OF THE PROPERTY OF THE PERSON OF THE

Comparative effectiveness of hexamethylenebenzamide and acetyltetrahydroquinoline as protective agents against fleas in humans. Med. paraz. i paraz. bol. 32 no.5:551-553 S-0'63 (MIRA 16:12).

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.



 Tabulating cable functions $\mathcal{M}_{N}(T)$. Makh. 1 avtom. v gor. prom. (MIRA 16:10)

POKSHISHEVSKIY, V.V., doktor geogr. nauk, prof.; VARLAMOV, V.S.; KHOREV.

B.S.; STEPAROV, M.N.; BOTVINNIKOV, V.I.; KOLOBKOV, M.N.;

VOROB'YEV, V.V., kand. geogr. nauk; KLIMOV, A.I.; STEPANOV,

A.A.; MYAKUSHKOV, V.A., red.; BELICHENKO, R.K., mladshiy red.;

MAL'CHEVSKIY, G.N., G.N., red.kart; VILENSKAYA, E.N., tekhn. red.

[Moscow - Vladivostok; railroad guide]Moskva - Vladivostok; putevoditel' po zheleznoi doroge. Moskva, Geografgiz, 1962. 256 p. (MIRA 15:11)

(Railroads-Guides)

STEPANOV, M.N.

Linear regression analysis of the results of fatigue testing of aluminum alloys. Zav. lab. 29 no.10:1212-1214 '63. (MIRA 16:12)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut.

EWT(1)/EWT(p)/EWP(w)/EWA(d)/EPR/T/EWP(t)/EWP(b) IJP(c) L 35416-65 S/0032/65/031/003/0349/0354 AP5007678 ACCESSION NR: AUTHOR: Stepnov, M. N. Distribution of durability under fatigue tests of light construction alloys TITLE: Zavodskaya laboratøriya, v. 31, no. 3, 1965, 349-354 TOPIC TAGS: metal fatigue, metal bending, aluminum alloy, probability, statistics/ AV aluminum alloy, V 95 aluminum alloy ABSTRACT: A probabilistic approach to establishing the durability and reliability of metal alloys is investigated. Two probability functions have found wide use in fatigue testing. These are: 1) the Weibull function $P(\hat{N}) = 1 + \exp(-\frac{1}{N})$ established by W. Weibull (Trans. of Royal Institute of Technology, Stockholm, No. 27, 1949, and Saab Aircraft Company, Technical Note, 30, 1954); and 2) the normal In the former distribution, N is the number of cycles until specimen destruction, N_0 , N_{ψ} , and m are distribution parameters.

L 35416-65 ACCESSION NR: AP5007678

the latter distribution $x = \log N$, and \bar{x} , σ^2 are the mean and variance respectively. Both distributions are used in analyzing fatigue test data from experiments with several specimens of aluminum alloys V95 and AV. Specimens were made in the form of bars 6.75 (V95) and 8 mm (AV) in diameter and tested at a rate of 6000 cycles/minute. The results of the tests are shown in Figs. 1, 2, 3, and 4 on the Enclosura Rased on these observations, the author recommends the use of the normal (Gaussian) distribution. The Weibull distribution was not found to be in close agreement with experimental data. Orig. art. has: 3 equations and 5 figures.

ASSOCIATION: Moskovskiy aviationno-tekhnologicheskiy institut (Moscow Aviation Technological Institute)

SUBMITTED: 00

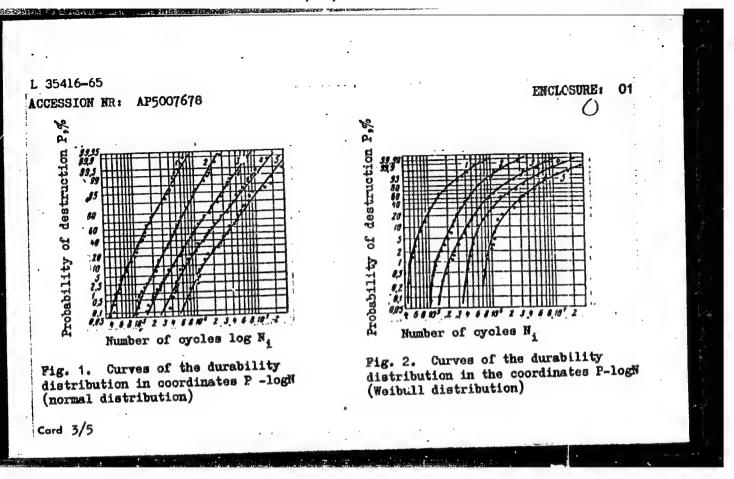
ENCL: 03

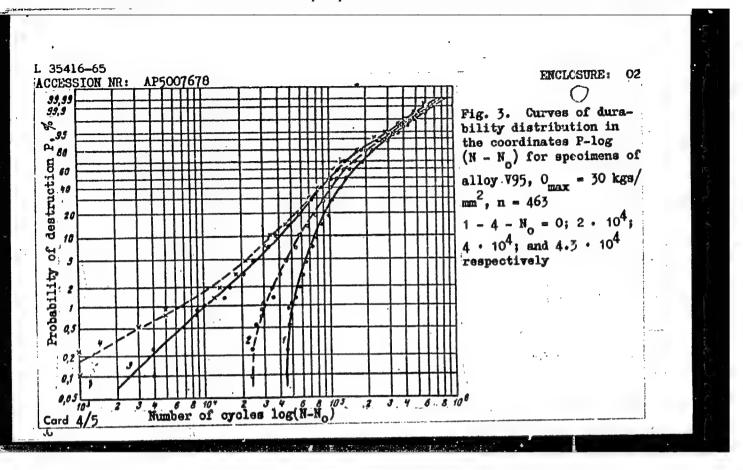
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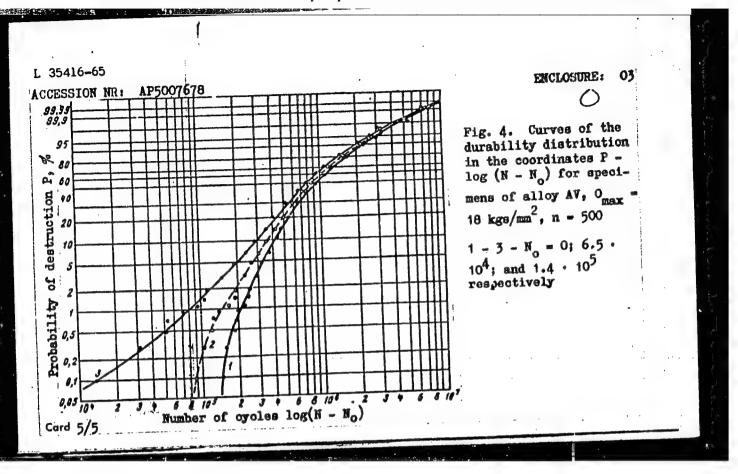
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Card 2/5





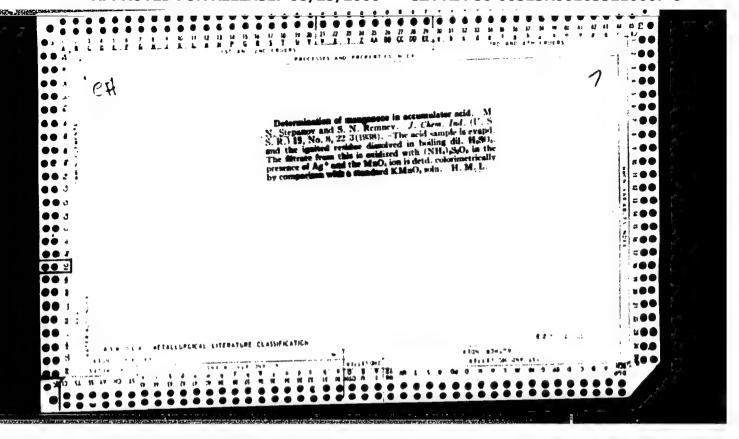


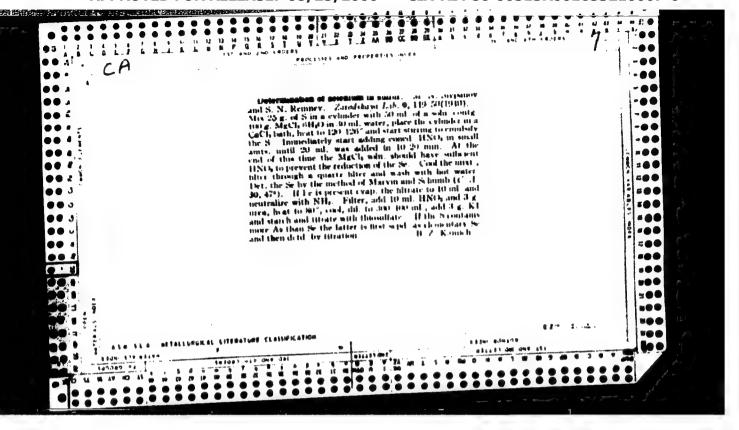
MJW/JD ACCESSION NR: AP5006999	No de la material de la company de la compan	S/0129/65/000/	003/0005/0008	
AUTHOR: Klygin, L. P.;	Stepnov, M. N.; Zakharov, V	. Z.	31	•
TITLE: Fatigue and stat various degrees of purit	ic crack strength of articl	es pressed from A	v alloy of \mathcal{J}	
and bottom half of inser		/		•
TOPIC TAGS: anisotropy	, metal physical property, r	metal mechanical p	roperty, defect	
formation, oxide blister	8 <u> </u>			
ABSTRACT: The effect of static crack strength, of ducts made of AV alloy to oxide blisters on the ameter of 3 mm were cut	f metallurgical defects of ductility, and fatigue strenwas investigated. In order nisotropy of the properties off in the extrusion direct	the "oxide blister igth of pressed so to determine the , specimens with ion, and also alone be effect of oxide	r" type on the emifinished pro- effect of the a working dia- ng the width and a blisters us-	
ABSTRACT: The effect of static crack strength, of ducts made of AV alloy to oxide blisters on the ameter of 3 mm were cut height of the strip.	f metallurgical defects of ductility, and fatigue strewas investigated. In order	the "oxide blister igth of pressed so to determine the , specimens with ion, and also alon he effect of oxide meter of 10 mm we	r" type on the emifinished pro- effect of the a working dia- ng the width and blisters us- re tested, and	

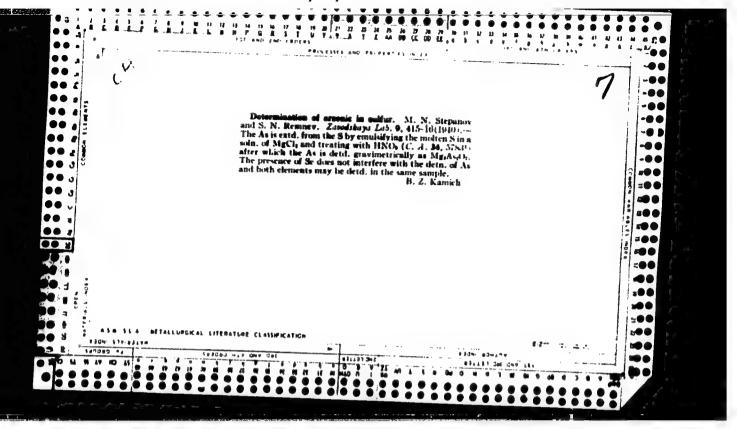
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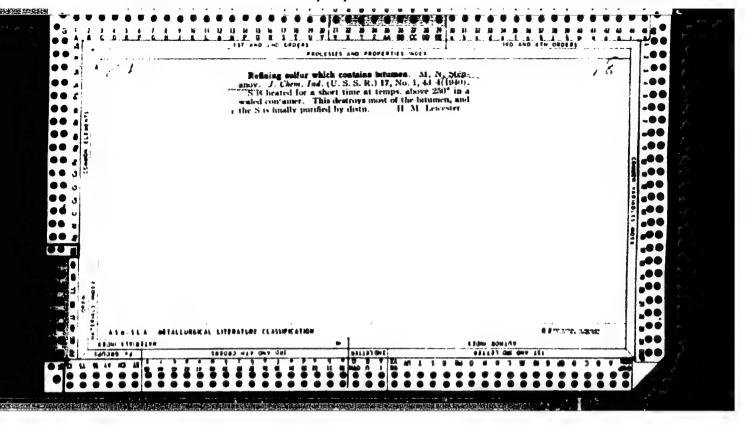
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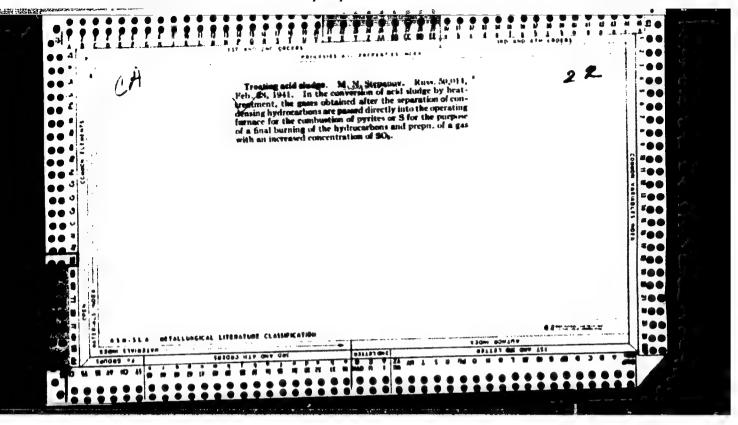
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abulated. The results istance of the materia n all cases, the origiluded that the presence cyclic loads, and maressed semifinished pr	n of a fatigue of oxide blis	crack was an catter	xide inclu the plast of the fat	sion. It is icity and reigue proper	s con-	
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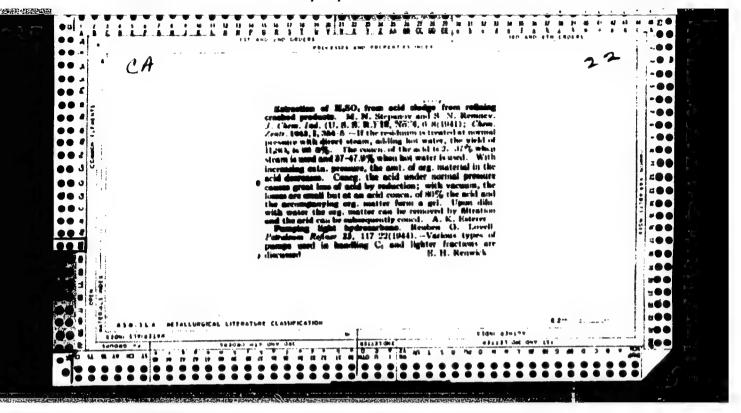


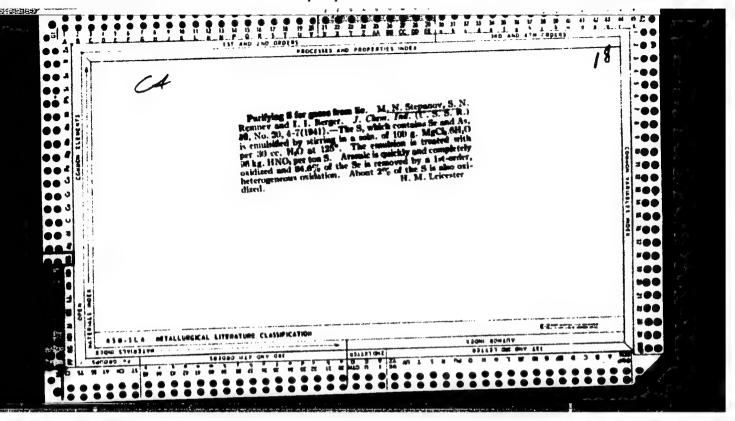












AMBLIN, A.G.; BALEYEV, A.V.[deceased]; BRUTSKUS, Ye.B.; KEL'MAN, F.N.;
OSHEROVICH, R.Ye.; STEPANOV, M.N.; CHEPBLEVETSKIY, M.L.; CHERNOBAYEVA, M.M.; MIKHAL'CHUK, B.V., redaktor; LEONT'YEVA, K.D., redaktor; SHPAK, Ye.G., teknicheskiy redaktor.

[Methods of analysing and controlling the production of sulfuric acid and superphesphates] Metody analisa i kontrolia preisvedstva sernei kislety i superfesfata. Sest. A.G.Amelin i dr. Pod red. B.V.Mikhal'chuka. Meskva, Ges.nauchne-tekhn. isd-ve khim. lit-ry. 1955. 159 p. (MIRA 9:5)

1. Mescew. Nauchnyy institut pe udebreniyam i insektefungisidam. (Sulphurec acid) (Phesphates)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001653210007-6"

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KUDIC AVTSEV, Aleksandr Andreyevich; STEPANOV, M.N., starshiy nauchnyy sotr., kand. tekhn. nauk, retsanzant; SHID OVSKIY, A.A., doktor tekhn. nauk, prof., retsenzant; TANANAYEY, I.V., akademik, prof., doktor khim. nauk, red.; PLETNEVA, N.B., red.; ALAVERDOV, Ya.G., red. izdva; VORONINA, R.K., tekhn. red.

[Chemistry and technology of selenium and tellurium] Khimiia i tekhnologlia selena i tellura. Pod red. I.V. Tananaeva. Moskva, Gos. 12d-vo "Vysshaia shkola," 1961. 284 p. (MIRA 14:10)

1. Deystvitel'nyy chlen AN SSSR (for Tananayev). (Selenium) (Tellurium)

Tokor (Fine 7 7 F. ; Simpanor, n. n.			
Mogenw - building			**
New angearance of Moscow. Geog. v shkole no. 5, 1952.			
9. Monthly List of Russian Accessions, Library of Congress,	December	195\$} Uncl.	

VOROBIYEV, V. V., STEPANOV, M. N.

OT + 1-11 NO V N

Russia - Economic Conditions - Maps

Map of the industrialization of the U.S.S.R., Geog. v shkole no. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

STEPANOY, M.

KIBAL'CHICH, O.; STEPANOV, M.

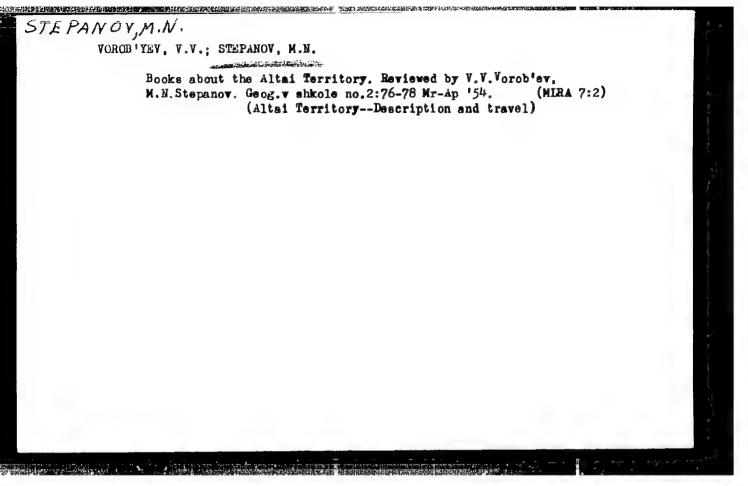
Discussion of the scientific tasks of the division of economic regionalisation. Vest. Mosk. un. 8 no. 9:164-169 S '53.

(Geography, Economic)

(Geography, Economic)

STEPANOV, Mikhail Nikolayevich; POKSHISHEVSKIY, V.V., doktor geograficheskikh nauk, otvetstvennyy redaktor; DOBRONRAVOVA, K.O., redaktor; PETUKHOV, V.G., khudozhestvennyy redaktor; KOSHELEVA, S.M., tekhnicheskiy redaktor; GOLITSYN, A.V., redaktor kart.

Molotov. Moskva, Gos. izd-vo geogr. lit-ry, 1954. 71 p. (MLRA 8:2)
[Microfilm]
(Molotov--Description)



 KIBAL CHICH, O.A.; STEPANOV, M.N.

Present problems of the division of the U.S.S.R. into economic districts. Izv. Vses.geog.ob-va no.4:354-360 J1-Ag'55. (Geography, Economic) (NIRA 8:10)

THE RESERVE OF THE STATE OF THE

VOROB'YMV, V.; KIRAL'CHICH, C.; STEPANOV, M.

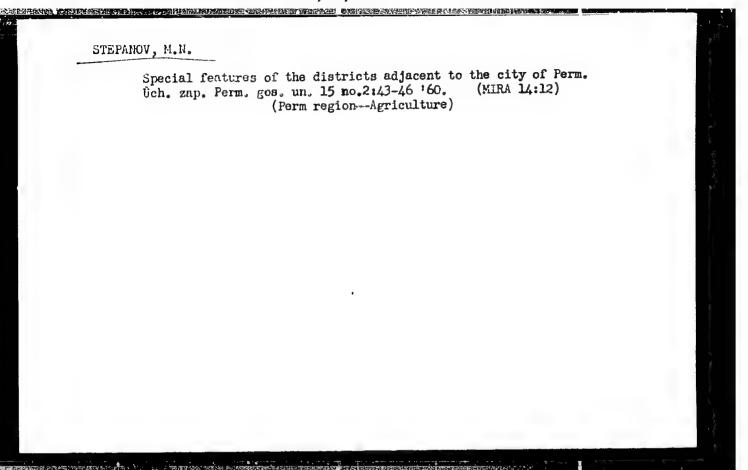
Discussion of problems of the distribution of productive forces and the division of the U.S.S.R. into eccessic districts in the Moscow Branch of the Geographic Society of the U.S.S.R. Isv.AH SSSR.Ser.geog. no.2:163-165 Mr-Apt 156.

(Geography, Economic)

 STEPANOV, M.N.; VOROB'YN, V.V.

Local publications devoted to individual towns. Reviewed by M.N. Stepanov, V.V. Vorob'ev. Vop.geog. no.38:266-270 '56. (KLMA 9:9)

(Cities and towns --Book reviews)



STEPANOV, M. ...

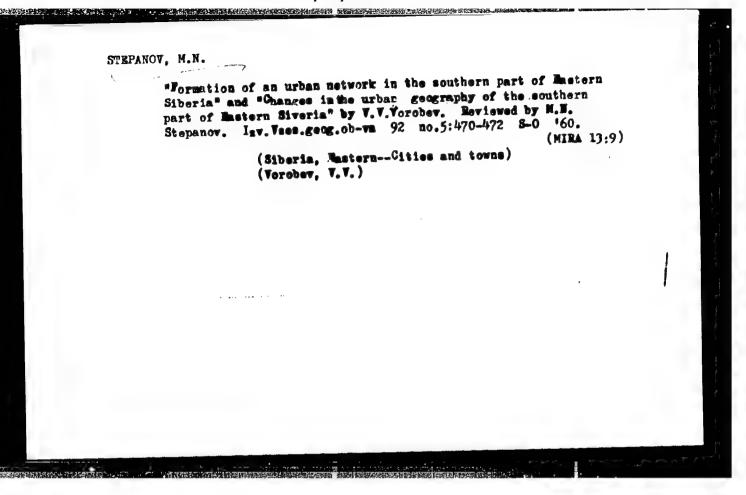
"Man improves the planet" by I.I.Adabashev. Reviewed by M.M.

Stepanov. Geog. v shkole 23 no. 6:89-90 M-D '60.

(MIRA 13:11)

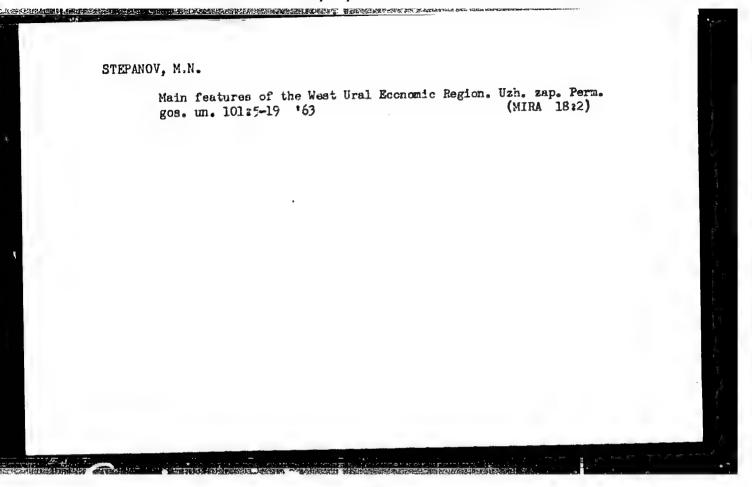
(Geography)

(Adabashev, I.I.)



WOLOVAO, Viktor Kazimirovich, inch.-gidrograf; ARKHIFOVA, K.I., kand. geogr. nauk, retsenzent; STEFANOV, M.N., kand. geogr. nauk; KOLOSHITSYN, V., red.

[Lakes of our territory] Ozera nashego kraia. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1963. 134 p. (MIRA 17:7)



是是我们的一个人,我们就是我们的一个人,我们们就是我们的一个人,我们们就是我们的一个人,我们就是我们的一个人,我们们就是我们的一个人,我们们就是我们的一个人,我

3-5-28/38

AUTHORS:

Grebennikov, S.F. Candidate of Technical Science and Stepanov,

M.P.

TITLE 8

To Introduce New Methods in Laboratory Practice (Novoye - v

laboratornyy praktikum)

PERIODICAL:

Vestnik vysshey shkoly, 1957, Nr 5, pp 71 - 73 (USSR)

ABSTRACT :

New laboratory work methods of measuring electrically nonelectric values were elaborated at the chair of Principles of Electric Engineering of the Moscow Institute of Mechanization and Electrification in Agriculture. The aim of this work is to acquaint the students with the utilization of the wire transducers for the investigation of bending and torsion.

The investigation of bending is described first. A wire transducer having a resistance of 100 ohm is glued to a console beam as shown in Figure 1. The investigation is made by means of an electric bridge circuit mounted on a wooden panel and consisting of 100-ohm resistors. A variable 2-ohm wire resistor is located in series with a fixed resistor on one of the bridge arms. A mirror galvanometer is used for obtaining the zero reading. Current is supplied by a battery. The sensitivity of the bridge circuit may be altered by changing the battery voltage. By changing the resistance, the sensitivity of the galvanometer can be altered.

Card 1/3

To Introduce New Methods in Laboratory Practice

3-5-28/38

On the basis of experience and results computed, the students compose a functional dependence graph of the bending moment, in accordance with the indication of the galvanometer, and then determine the bending moment by the activity of the arbitrary determine the bending moment by the activity of the arbitrary force at the end of the console beam. By using the values of transducer calibration it is possible to determine the value of the bending moment; and, knowing this, to determine the

The authors then describe the investigation of torsion.

The authors then describe the investigation of torsion.

For this purpose a hollow shaft (tube), on a section of which

a 100-ohm wire transducer is glued in a helical line, is used. The

a 100-ohm wire transducer is glued in a helical line, is used. The

transducer is connected to the afore-mentioned bridge in place

transducer is connected to the afore-mentioned bridge in place

transducer is connected to the afore-mentioned bridge in place

transducer used for investigating bending. The stu
dents' task is to observe the changing indications of the gal
dents' task is to observe the changing indications of

vanometer by changing the torque through the alteration of

forces at the end of the arm, and to register the results in

a table.
On the basis of experience and calculated results, the students compose a graph of functional dependance $d=f(\mathbf{M}_{kp})$. Having obtained the values of the transducer calibration, the students are now able to determine the torques, consider-

card 2/3

To Introduce New Methods in Laboratory Practice

3-5-28/38

ing the action of arbitrary forces.

The authors believe that the carrying out of the above mentioned task will direct the attention of the future specialists on new methods for the investigation of details in machine units and operating mechanisms. The article contains 2 photographs, 1 circuit diagram and 4 tables.

ASSOCIATION: Moscow Institute of Mechanization and Electrification of Agriculture imeni V.M. Molotov (Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva imeni V.M. Molotova)

AVAILABLE:

Library of Congress

Card 3/3

STEPANOV, M.P.

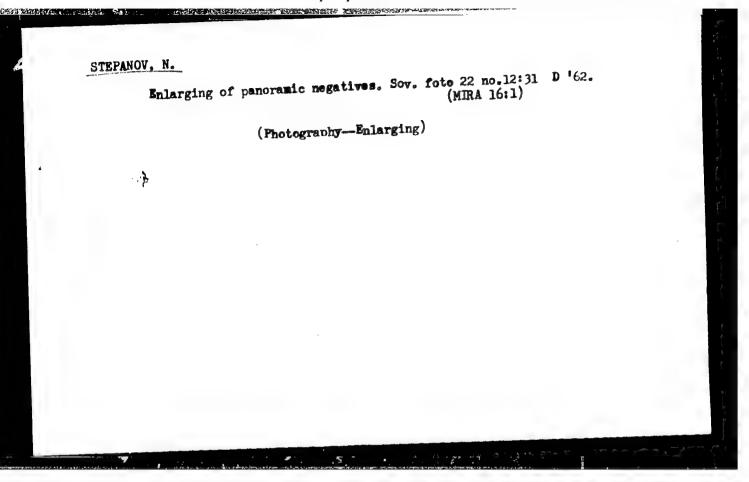
Case of myelosis with a blood picture characteristic of pernicious anemia. Vrach.delo no.10:1089 0 '57. (MIRA 10:11)

1. Terapevticheskoye otdeleniye i klinicheskaya laboratoriya bol'nitsy st. Novo-Cherkassk Severo-Kavkasskoy zheleznoy dorogi. (MARROW-TUMORS) (ANEMIA)

Street, M.Ye., kapitan i-go ranga, detent, kand. Seyenni-morskith nauk

Effect of the development of military terinology on methods of solving battle problems at sea. Mor. 19 no.941.427 Ag 162.

(MIFA 18:7)



STUPACOV, L.

AID - P-138

Subject

: USSR/Aeronautics

Card

1/1

Author

: Stepanov, N.

Title

The Sacred Oath of a Soviet Soldier

Periodical

Kryl. Rod., 1, 6 - 7, Ja 54

Abstract

This is patriotic propaganda. The military oath is the principal topic to encourage a soldier after discharge from the armed forces to join the DOSAAF organization.

Photo.

Institution:

None

Submitted

No date

AID P - 2665

: USSR/Aerodynamics Subject

Pub. **59** - 3/20 Card 1/1

Stepanov, N., Col. Author

The banner of the unit Title

Periodical : Kryl. rod., 7, 2-3, Jl 1955

A glorification of the banner of the unit as an Abstract

emblem of patriotism and devotion to duty. Examples of heroism in World War II are given. Photo of Borshchev, P. S.

Institution None

Submitted No date

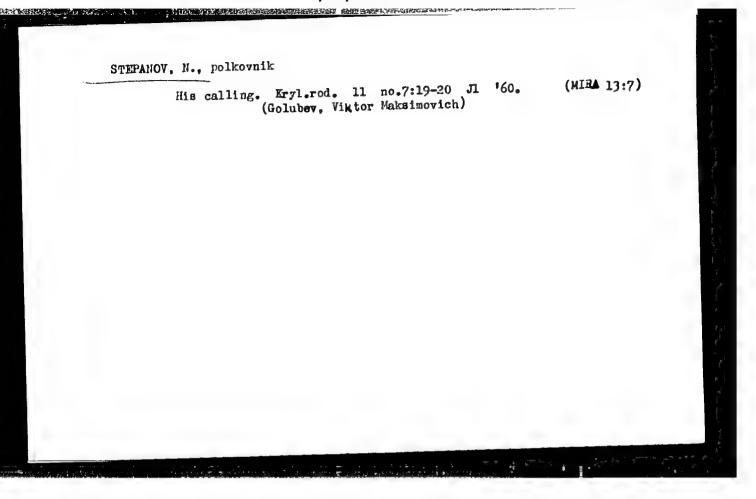
STEPANOV, N., letchik-ispytatel'.

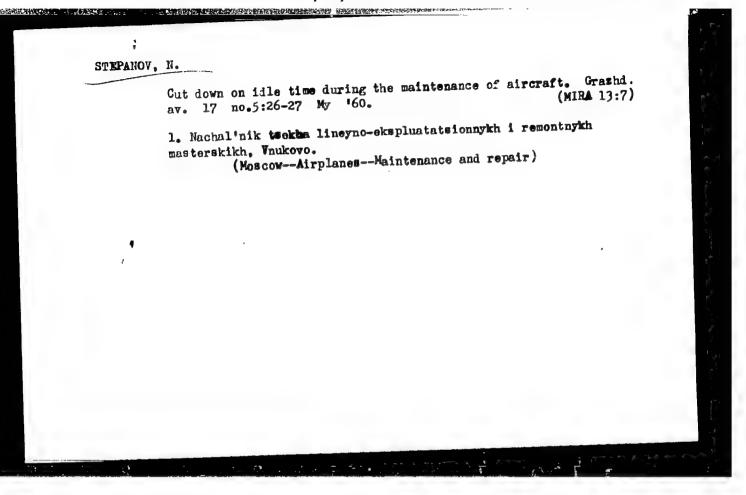
Expert repair and flight test of an Il-14 airplane.@rashd.av.
13 no.9:22 S '56. (MLRA 9:11)

(Airplanes--Maintenance and repair)

STEPANOV, N., polkevnik; GOLYSHEV, M., polkovnik.

The Soviet pilet, Kryl, red. 8 ne.5:4-5 My '57. (MIRA 10:6)
(Bussia--Air pilets)





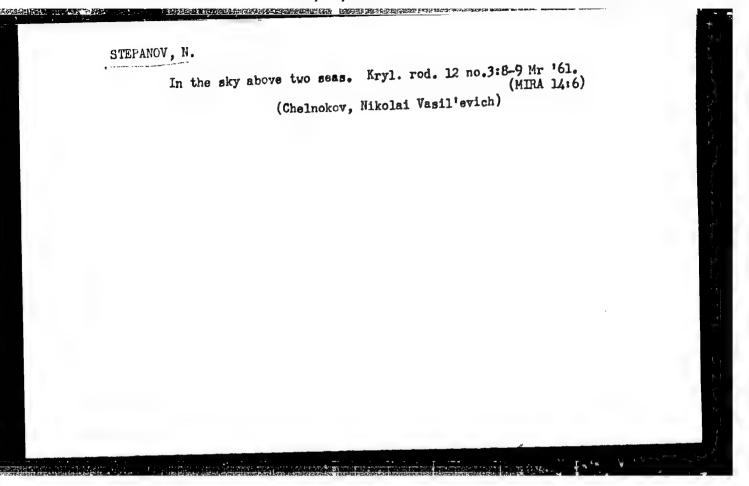
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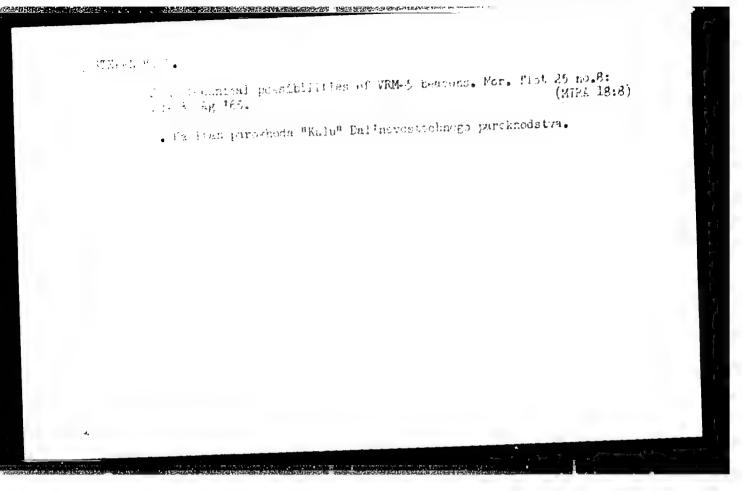
STEPANOV, N.; OSIPEROV, G., starshiy inshener

In the flow of work. Grashd.av. 17 no.10:6-7 0 '60. (MIRA 13:9)

1. Nachal'nik Lineyno-ekspluatatsionnoy i remontnoy masterskoy, g. Vnukovo (for Stepanov). 2. Tekhnologo-konstruktorskoye byuro Lineyno-ekspluatatsionnoy i remontnoy masterskoy, g. Vnukovo (for Osipenkov).

(Airplanes--Maintenance and repair)





DERIBAS, A.T., inzh.; SMIRNOV, Ye.K., kand.tekhn.nauk; STEPANOV, N.A., inzh.

Necessity for a simplification of freight forms and the clearing systems for transportation charges. Zhel.dor.transp. 42

no.5:35-33 My '60.

(Railroads--Freight)

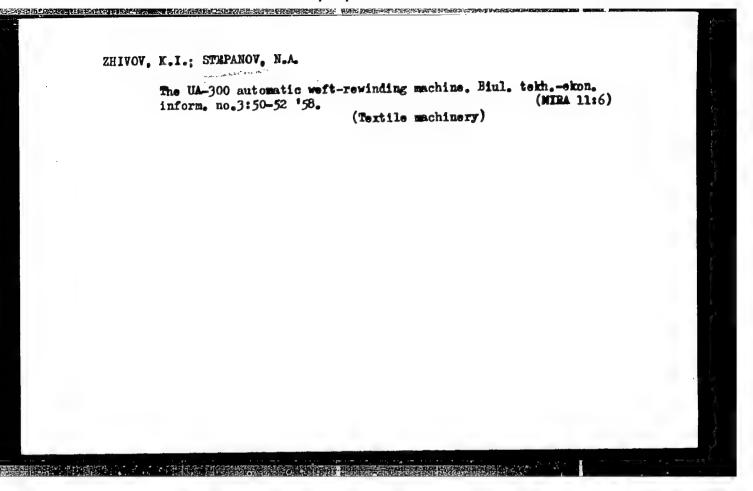
(Railroads--Accounts, bookkeeping, etc.)

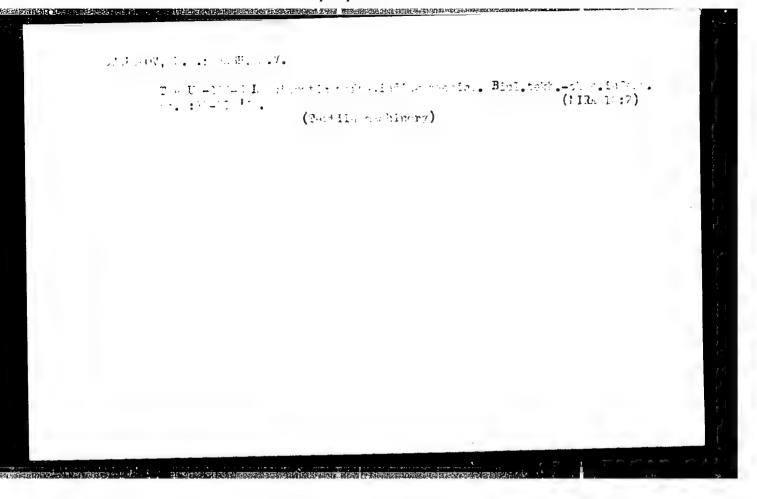
YEROFEYEV, Ye.V.; KOGAN, A.N.; STEPANOV, N.A.; TIKHONCHUK, Yu.N.; UGODIN, Ye.G.

是这个人,但是是一个人,我们就是这个人就是这种人的,我们就是这种人的,我们就是这个人的,我们就是这个人的,我们就是这个人的,我们就是这个人的,我们就是这个人的, 第一个人,我们就是一个人,我们就是我们就是一个人,我们就是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的一个人,

Improving the organization of mineral fertilizer transportation by collective and state farms. Zhel.dor.transp. 44 no.7:18-21 Jl 162. (MIRA 15:8)

(Fertilizers and manures-Transportation)





STEPANOV, N.D. STEPANOV, N. D.

Weaving

More about the constant speed of warping. Tekst. prom. 12, No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

STEPANOV, H.D.; SOLOMINA, M.Ya.

Organization of agricultural meteorological observations of winter crops. Meteor.i gidrol. no.2:33-34 7 152.

(NLDA 8:9)

1. Sverdlovskoye UGNS, Sverdlovsk.

(Meteorology, Agricultural--Observations)

50-58-4-15/26

AUTHOR:

Stepanov, N. D.

TITLE:

On the Agro-Meteorological Service for Kolkhoz, Sovkhoz and MTS (Machine and tractor stations - mashinno-traktornyye stantsii) Ob agrometeorologicheskom obsluzhivanii kolkhozov, sovkhozov i MTS)

PERIODICAL:

Meteorologiya i Gidrologiya, 1958, Nr 4,pr 40 - 40 (USSR)

ABSTRACT:

This kind of direct service for agricultural industries is not less important than the one of the district organizations. In practice, however, above all the latter are supplied. To the local organizations the hydro-meteorological bureaus (Gidro-meteobyuro) send only weather forecasts and warnings. The hydro-meteorological stations (Gidrometeorostantsiya), which have to care for the local agricultural organizations, mainly just pass on the same data to the factories. The factories, however, need respective informations in the larger sense of the word to a not less degree. But they ought to be arranged differently, more concretely, and be adapted to the factory conditions. Therefore the informations ought to come from a hydrometeorological station, which is to have the sup-

Card 1/2

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On the Agro-Meteorological Service for Kolkhoz, Sovkhoz and MTS (Machine and tractor stations - mashinno-traktornyye stantsii)

port of the weather- and of the hydrometeorological office. For this purpose UGMS (Hydrometeorological Service Administration) in Ural'sk wrote an information letter for the stations, which is to serve the above mentioned purpose. In this the estimation methods of the agro-meteorological conditions and methods for drawing up informations are explained in an intelligible form. These methods were worked out by the Central Weather Forecast Institute (TsIP). They must be present in handy form. Therefore UGMS recommended to the stations a drawing up of agro-climatical parameters and specimens to tables.

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